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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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U.S. Patent and Trademark Office  
Information Disclosure Statement by Applicant

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**  
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Sheet

1 of 3

Complete If Known	
Application Number	10/715,159
Filing Date	11/17/2003
First Named Inventor	Damian A. Hajduk et al.
Group Art Unit	2857 - 2858
Examiner Name	A. DEB
Attorney Docket Number	1012-138C1

U.S. PATENT DOCUMENTS						
Examiner Initials'	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (If known)			
AD	1,870,412	Kennedy		08/09/1932	—	—
	3,071,961	Heigl et al.		01/08/1963	—	—
	3,675,475	Weinstein		07/11/1972	—	—
	3,713,328	Aritomi		01/30/1973	—	—
	3,798,960	Glass		03/26/1974	—	—
	3,805,598	Corcoran		04/23/1974	—	—
	3,818,751	Karper et al.		06/25/1974	—	—
	3,849,874	Jeffers		11/26/1974	—	—
	3,895,513	Richardson		07/22/1975	—	—
	3,908,441	Virloget		09/30/1975	—	—
	3,933,032	Tschoegl		01/20/1976	—	—
	4,229,979	Greenwood		10/28/1980	—	—
	4,447,125	Lazay et al.		05/08/1984	—	—
	4,517,830	Gunn, deceased et al.		05/21/1985	—	—
	4,567,774	Manahan et al.		02/04/1986	—	—
	4,570,478	Soong		02/18/1986	—	—
	4,599,219	Cooper et al.		07/08/1986	—	—
	4,602,501	Hirata		07/29/1986	—	—
	4,680,958	Ruelle et al.		07/21/1987	—	—
	4,685,328	Huebner et al.		08/11/1987	—	—

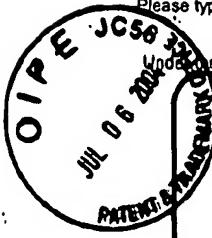
FOREIGN PATENT DOCUMENTS						
Examiner Initials'	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup>			
AD	JP402297040A			Akaha Toru	12/07/1990	—
	WO 00/51720			Symyx Technologies, Inc.	09/08/2000	—
	WO 00/17413			Symyx Technologies	03/30/2000	—
	WO 96/11878			Univ. of CA	04/25/1996	—
	WO 98/15501			Symyx Technologies	04/16/1998	—
	WO 99/18431			Symyx Technologies	04/15/1999	—
	EP 0317356A2			Chichibu Cement	05/24/1989	—

Examiner Signature	AD 6	Date Considered	8/6/2004
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**Substitute for form 1449A/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 2 of 3

**Complete if Known**

Substitute for form 1449A/PTO		Complete If Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		Application Number	09/938,994
		Filing Date	08/24/2001
		First Named Inventor	Damian A. Hajduk
		Group Art Unit	1754 2858
		Examiner Name	A.Deb
Sheet	2	of	3
		Attorney Docket Number	1012-138

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.*	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Class	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (If known)				
AD	4,740,078			Daendliker et al.	04/26/1988	—	—
	4,749,854			Martens	06/07/1988	—	—
	4,789,236			Hodor et al.	12/06/1988	—	—
	4,793,174			Yau	12/27/1988	—	—
	4,829,837			Telfer	05/16/1989	—	—
	4,893,500			Fink-Jensen	01/16/1990	—	—
	4,899,575			Chu et al.	02/13/1990	—	—
	4,932,270			Lurie et al.	06/12/1990	—	—
	5,008,081			Blau et al.	04/16/1991	—	—
	5,051,239			von der Goltz	09/24/1991	—	—
	5,115,669			Fuller et al.	05/26/1992	—	—
	5,142,900			Duke	09/01/1992	—	—
	5,193,383			Burnham et al.	03/16/1993	—	—
	5,236,998			Lundeen et al.	08/17/1993	—	—
	5,271,266			Eschbach	12/21/1993	—	—
	5,272,912			Katsuzaki	12/28/1993	—	—
	5,280,717			Hoseney et al.	01/25/1994	—	—
	5,303,030			Abraham et al.	04/12/1994	—	—
	5,305,633			Weissenbacher et al.	04/26/1994	—	—
	5,452,619			Kawanabe et al.	09/26/1995	—	—

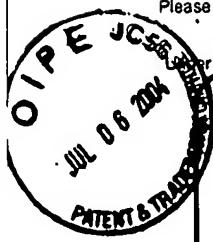
## FOREIGN PATENT DOCUMENTS

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 3 of 3

Sheet 3 of 3 Attorney Docket Number 1012-138

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## **U.S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		Application Number	10/715,159
		Filing Date	11/17/2003
		First Named Inventor	Damian A. Hajduk et al.
		Group Art Unit	2857 2 858
		Examiner Name	A. DEB
Sheet	1	of	1
		Attorney Docket Number	1012-138C1

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 1 of 1

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Application Number	10/715,159
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Attorney Docket Number	1012 138C1

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Attorney Docket Number 1012-138C1

## **U.S. PATENT DOCUMENTS**

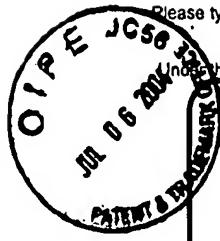
## **FOREIGN PATENT DOCUMENTS**

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Sheet 1 of 1 Attorney Docket Number 1012-138C1

## **U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number	Kind Code <sup>2</sup> (if known)			Class	Sub
AD	5,776,359	Schultz et al.		07/07/1998	—	—	—
	5,959,297	Weinberg et al.		09/28/1999	—	—	—
	5,985,356	Schultz et al.		11/16/1999	—	—	—
	6,004,617	Schultz et al.		12/21/1999	—	—	—
	6,013,199	McFarland et al.		01/11/2000	—	—	—
	6,030,917	Weinberg et al.		02/29/2000	—	—	—
	6,034,775	McFarland et al.		03/07/2000	—	—	—
	6,034,240	La Pointe		03/07/2000	—	—	—
	6,043,363	LaPointe et al.		03/28/2000	—	—	—
	6,045,671	Wu et al.		04/04/2000	—	—	—
	6,087,181	Cong		07/11/2000	—	—	—
	6,124,476	Guram et al.		09/26/2000	—	—	—
	6,151,123	Nielsen		11/21/2000	—	—	—
	6,149,882	Guan et al.		11/21/2000	—	—	—
	6,157,449	Hajduk		12/05/2000	—	—	—
	6,175,409 B1	Nielsen et al.		01/16/2001	—	—	—
	6,177,528 B1	LaPointe et al.		01/23/2001	—	—	—
	6,182,499 B1	McFarland et al.		02/06/2001	—	—	—
	6,187,164 B1	Warren et al.		02/13/2001	—	—	—
	6,203,726 B1	Danielson et al.		03/20/2001	—	—	—

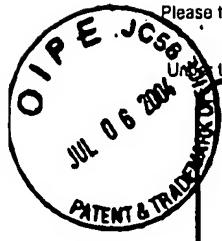
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Substitute for form 1449A/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		Application Number	10/715,159
		Filing Date	11/17/2003
		First Named Inventor	Damian A. Hajduk et al.
		Group Art Unit	2857-2858
		Examiner Name	A. DEB
		Attorney Docket Number	1012-138C1
Sheet	1	of	1

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 1 of 1

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Application Number	10/715,159
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		Number	Kind Code* (if known)			Class	Sub
AJ	6,242,623 B1	Boussie et al.		06/05/2001	—	—	
	6,225,487 B1	Guram		05/01/2001	—	—	
	6,225,550 B1	Hornbostel et al.		05/01/2001	—	—	
	6,248,540 B1	Weinberg et al.		06/19/2001	—	—	
	6,260,407 B1	Petro et al.		07/17/2001	—	—	
	6,265,601 B1	Guram et al.		07/24/2001	—	—	
	6,265,226 B1	Petro et al.		07/24/2001	—	—	
	6,268,513 B1	Guram et al.		07/31/2001	—	—	
	6,294,388 B1	Petro		09/25/2001	—	—	
	6,296,771 B1	Miroslav		10/02/2001	—	—	
	6,092,414	Newman		07/25/2000	—	—	
	6,050,138	Lynch et al.		04/18/2000	—	—	
	6,040,193	Winkler et al.		03/21/2000	—	—	
	6,033,913	Morozov et al.		03/07/2000	—	—	
	6,010,616	Lewis et al.		01/04/2000	—	—	
	5,999,887	Giannakopoulos et al.		12/07/1999	—	—	
	5,922,967	Motoyama		07/13/1999	—	—	
	5,892,157	Syre		04/06/1999	—	—	
	5,877,428	Scolton		03/02/1999	—	—	
	5,847,283	Finot et al.		12/08/1998	—	—	

## **FOREIGN PATENT DOCUMENTS**

Examiner Signature	Adel	Date Considered	8/6/2004
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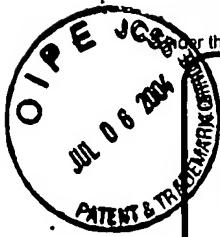
<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Attorney Docket Number	1012-138C1

### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
AD		U.S. Application Serial No. 09/420,334 entitled "Graphic Design of Combinatorial Material Libraries" (Lacy, et al.) filed on October 18, 1999	
AD		U.S. Patent Application Serial No. 09/305,830 titled "Synthesizing Combinatorial Libraries of Materials" (Rust, et al.) filed on May 5, 1999	
AD		U.S. Application Serial No. 09/550,549 entitled "Automated Process Control And Data Management System And Methods" (Crevier, et al.) filed on April 14, 2000	
AD		U.S. Application Serial No. 09/755,623 entitled "Laboratory Database System and Methods For Combinatorial Materials Research" (Dorsett, Jr., et al.) filed on January 5, 2001.	
		The family of applications for U.S. Application Serial No. 09/227,558 entitled, "Apparatus and Method of Research for Creating and Testing Novel Catalysts, Reactions and Polymers" (Turner et al.) filed January 8, 1999	
AD		U.S. Application Serial No. 09/235,368 entitled "Polymerization Method From the Combinatorial Synthesis and Analysis of Organometallic Compounds and Catalysts" (Weinberg et al.) filed on January 21, 1999	
AD		U.S. Provisional Application Serial No. 60/122,704 entitled "Controlled, Stable Free Radical Emulsion and Water-Based Polymerizations" (Klaerner et al.) filed on March 9, 1999	
		The family of applications for U.S. Application Serial No. 09/567,598 entitled "Polymer Libraries on a Substrate, Method for Forming Polymer Libraries on a Substrate and Characterization Methods with Same" (Boussie et al.) filed May 10, 2000	
		The family of applications for U.S. Patent Application Serial No. 09/174,856 titled "Graphic Design of Combinatorial Material Libraries" (Lacy, et al.) filed on October 19, 1998.	
		ODIAN, Principles of Polymerization, 3rd Ed., John Wiley & Sons, Inc. (1991)	
		TIMOSHENKO, S., Theory of Plates and Shells, McGraw-Hill, New York 1940	

Examiner Signature

AD

Date Considered

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
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AD		"DMA 2980 Dynamic Mechanical Analyer," <a href="http://www.tainst.com/dma2.html">http://www.tainst.com/dma2.html</a> , 12/29/00
AD		"Introducing the NEW DMTA V!", <a href="http://www.rheometricscientific.com/dmtav.htm">http://www.rheometricscientific.com/dmtav.htm</a> , 12/29/00
AD		"Standard Test Method for Rubber Property-International Hardness," American Society for Testing and Materials
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Examiner Signature	A. DEB	Date Considered	8/6/2004
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Application Number	10/715,159
Filing Date	11/17/2003
First Named Inventor	Damian A. Hajduk et al.
Group Art Unit	2857 2858
Examiner Name	A. DEB
Attorney Docket Number	1012-138C1

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials'	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		YOUNG, W.C., Roark's Formulas for Stress and Stain, 1989	
AD		OSTERBERG, Peter M. and Stephen D. Senturia, "M-TEST: A Test Chip for MEMS Material Property Measurement Using Electrostatically Actuated Test Structures," Journal of Microelectromechanical Systems, Vol. 6, No. 2, June 1997	
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**Complete if Known**

Application Number	10/715,159
Filing Date	11/17/2003
First Named Inventor	Damian A. Hajduk et al.
Group Art Unit	2857 - 2858
Examiner Name	A. DEB
Attorney Docket Number	1012-138C1

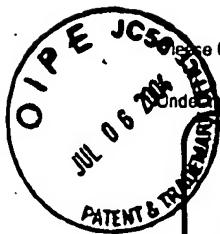
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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
AD		U.S. Patent Application Serial No. 09/939,404 entitled "High Throughput Mechanical Property and Bulge Testing of Material Libraries," (D. Hajduk et al.) filed on August 24, 2001.
AD		U.S. Patent Application Serial No. 09/939,252 entitled "High Throughput Mechanical Rapid Serial Property Testing of Material Libraries," (P. Mansky) filed on August 24, 2001.
AD		U.S. Patent Application Serial No. 09/939,139 entitled "High Throughput Fabric Handle Screening," (M. Kossuth et al.) filed on August 24, 2001.
AD		U.S. Patent Application Serial No. 09/939,149 entitled "High Throughput Rheological Testing of Materials," (P. Mansky et al.) filed on August 24, 2001.
AD		U.S. Patent Application Serial No. 09/939,263 entitled "High Throughput Mechanical Property Testing of Materials Libraries Using Capacitance," (D. Hajduk et al.) filed on August 24, 2001.
		The family of applications for U.S. Patent Application Serial No. 09/580,024 entitled "Instrument for High Throughput Measurement of Material Physical Properties and Method of Using Same," (Carlson, et al.) filed on May 26, 2000
AD		U.S. Application Serial No. 09/801,165 entitled "Method and Apparatus for Characterizing Materials By Using a Mechanical Resonator" filed March 7, 2001
AD		U.S. Application Serial No. 09/578,997 entitled "High Throughput Viscometer and Method of Using Same" filed May 25, 2000
AD		PCT Application No. PCT/US01/11417 entitled "Automated Process Control and Data Management System and Methods", filed 4/6/2001

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		Filing Date	11/17/2003
		First Named Inventor	Damian A. Hajduk et al.
		Group Art Unit	2857 2858
		Examiner Name	A. DEB
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		Attorney Docket Number	
		1012-138C1	

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